RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

To,

Date: 03-07-2019

ASSISTANT EXECUTIVE ENGINEER
KODIGEHALLI SUB DIVISION,
BBMP
BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **Package - 4 includes 4 works of Rs.195.00 lakhs 1).Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura. 2).Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura. 3).Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura. 4).Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura**

Ref: 1. Work Order No: BBMP/EE/BTP/WO/159/2018-19
2. Job code: 007-18-000048,007-18-000053,007-18-000054,007-18-000055.

We are here with forwarding to Abhijit A, No.09, Gurushree nilaya, 5th cross, 80feet Road, Padmanabhanagara, Bangalore-560 070. Second & Final Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 45,44,467.90/- (Rs. Forty Five Lakhs Forty Four Thousand Four Hundred and Sixty Seven Rupees Ninety paisa Only).
Thanking you,

Yours faithfully,

For Rudraprasad Consultants

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

RUDRAPRASAD CONSULTANTS BANGALORE

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
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Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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NAME OF WORK:- **Package - 4 includes 4 works of Rs.195.00 lakhs 1).Improvements to roads and drains near Hebbal Shanimahatma temple in Ward No.07, Byatarayanapura. 2).Improvements to roads and drains Amruthalli gramatana pending works and surrounding areas in Ward No.07, Byatarayanapura. 3).Improvements to roads and drains Sanjeevinagara, Byatarayanapura and Kempapura in Ward No.07, Byatarayanapura. 4).Improvements to drains Hoysala Apartment towards Byatararayanapura in Ward No.07, Byatarayanapura.**

Name of Client : EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION,BBMP, BANGALORE

Contractor/ Agency: Abhijit A, No.09, Gurushree nilaya, 5th cross, 80feet Road, Padmanabhanagara, Bangalore-560 070

Tender Contract Price Rs.45,44,467.90/-

Date Of Inspection : 03-07-19

Status Of Bill : Second & Final Bill

In the Presence of : a) Assistant Engineer,Ward No 7 Kodigehalli Sub division, BBMP, Bangalore
b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
1	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 1.5 m, excavated	Work done upto the Billed Quantity and the Quality is satisfactory
2	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification and as per specifications and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
3	Removing & Refixing stone slabs and drains and Pointing in and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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4	Providing granite 7.5cms thick slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc., and as per the direction of Engineer in charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and laying in position Plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and Fine aggregates @0.57 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation, including cost of all materials, labour, HOM of Machinery, curing complete as per specificationand as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
6	Providing and laying in position Plain cement concrete of mix 1:2:4 with OPC cement @240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and Fine aggregates @0.53 cum machine mixed, concrete laid in layers not exceeding 15cms thick well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of Machinery, curing complete as per specification.and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
7	Providing and constructing granite/trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at 2m apart in each course including cost of materials, labour, curing etc., and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
8	Providing and constructing granite/trap/basalt size stone masonry in superstructure with cement mortar 1:4, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labhour,scaffolding, curing complete as per specifications.(and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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9	Providing ruled pointing of course stone masonry with cement mortar 1:3, after raking joints, nicely lining, including ost of materials, labour, curing etc., and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
10	Cement concrete pavement. Constructionn of un reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2, with 25mm and down size graded granite metal coarse granite metal coarse aggregates and fine aggregates, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.5cum capacity and appropriate weigh batcher as per approevd mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floater in a continuos operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, seperation membrane, selant primer, joint selant, admixtures as approved, curing compound, finishing to lines and grades as per specifications. -and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
11	Vaccume de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of Machineries, screed vibrotery, power floater, blade and disc.,and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory

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12	Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications.and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
13	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
14	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading,premixed with bituminous binder and filler,transporting the hot mix to work site,laying with a paver finisher to the required grade, level and alignment,rolling with smooth wheeled,vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.500.9 complete in all respects complete as per specifications. and as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
15	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granie metal coarse aggregates @0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase linels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labhour, HOM of machinery, curing, complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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16	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete	Work done upto the Billed Quantity and the Quality is satisfactory
17	Providing and removing centering, shuttering, strutting, propping etc.,for columns, pillars, piers, abutments, post and struts, square/square/rectangular slabs/side walls polygon in plan including cost of materials, labhour complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
18	Loading and unloading of stone boulder/stone aggregates/sand/kaner/moorum. placing tipper at loading point loading with front end loading, dumping turing for return trip, excluding time for haulage and return and trip complete as per specificationand as per the direction of Engineer in charge of the work.	Work done upto the Billed Quantity and the Quality is satisfactory
19	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory

Asst Ally. N.D
AE (NTI)

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Bangalore

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20	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Work done upto the Billed Quantity and the Quality is satisfactory
21	Dismantling of cement concrete pavement by mechanical means using Pneumatic tools, breaking to pieces not exceeding 0.20cm in volume and stock piling at designated locations and disposal of dismantled materials upto a lead of 1000 meters, stacking serviceable and unserviceable materials seperately complete as per specifications and as per the direction of Engineer in charge of the work. complete	Work done upto the Billed Quantity and the Quality is satisfactory
22	Construction of Emabnkment with approved material Gravel/Murrum with all lifts and leads, transporting to site, sptreading, grading to required slope and compacting to meet requirement Tand as per the direction of Engineer in charge of the work. Complete	Work done upto the Billed Quantity and the Quality is satisfactory
E1	Providing and fixing 20cm thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering shuttering reinforcement and bar bending machine mixed conrete laid in layer not exceeding 15cm thick well compacted cost of all materials labhour curing complete as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory

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